



CB-0104F

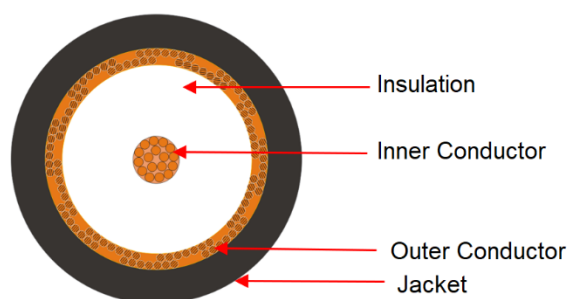
RG59 FLEXIBLE STRANDED COAXIAL CABLE

MILITARY GRADE, SHIELD 95%, Indoor

Scope of Application

LINK Flexible Stranded Coaxial Cable was designed for CCTV, MATV, TV Cable RF Signal Transmission and etc., Which conductor made from Copper Covered Steel and braiding made from Aluminum for best performance of signal access and best protection from noise, produced according to MIL-C-17F, MIL-C-17G, ANSI/TIA-568-C.4.

Drawing



Technical Standard

- ANSI/TIA-568-C.4
- MIL-C-17F
- MIL-C-17G
- UL Communication Cable
- RoHS Compliant

Application

- Analog CCTV
- HD CCTV
- Ethernet Over Coaxial
- CATV, MATV, HDTV
- TV Cable
- RF Signal





Cable Construction

Conductor	Diameter	0.20 mm x 16 (20AWG)	
	Material	Stranded Copper Covered Steel	
Insulation (Dielectric)	Diameter	3.65 ±0.1 mm	
	Material	Foam Polyethylene	
Shielded	Braid Wire	Material	Aluminum
		Wire no. x Diameter	144 x 0.11 mm.
		Coverage	95%
	Shield Tape	Material	AL/P-Foil (Bonded)
		Thickness	0.025 mm.
		Coverage	100%
Jacket	Cable Diameter	6.20 ±0.15 mm.	
	Material	PVC	
	Color	Black	

ELECTRICAL CHARACTERISTIC

Characteristic Impedance		75 Ohm
Capacitance		52 pF/m
Velocity Ratio		> 82%
DCR Inner Conductor		< 36.5 Ohm/km @20°C
DCR Shield		< 13.5 Ohm/km @20°C
Insulation resistance		> 10,000 MΩ/km
Dielectric Strength		2500 VAC
Jacket Sparker		4000 VAC
Return Loss	5-470 MHz	> 25.00 dB
	470-1000 MHz	> 23.00 dB
	1000-2000 MHz	> 20.00 dB
Screening factor at	VHF	80 dB
	UHF	75 dB

PHYSICAL PROPERTIES

Max. Pulling Tension	372 N	
Min. Bending Radius	Installation	10 x Cable Diameter
	Operation	4 x Cable Diameter
Temperature	Storage/Operation	-20°C to 75°C
	Installation	0°C to 60°C



ATTENUATION PERFORMANCE

Frequency (MHz)	Attenuation (dB/100m)
1	0.78
5	2.08
10	2.67
50	5.58
100	7.78
200	10.80
300	14.60
400	16.73
460	17.72
700	22.57
800	23.23
870	24.67
1000	26.64
1450	32.12
1750	38.00
2000	39.00
2200	40.64
2500	43.10
3000	47.30

Order Information

Part number	Description	Color	Length	Package
CB-0104F	LINK FLEXIBLE STRANDED COAXIAL CABLE MILITARY GRADE, SHIELD 95%	Black	500 m	Reel in Box.